IMAGE PROCESSING METHOD

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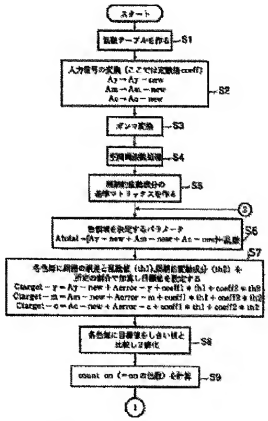
Abstract of **JP9139842**

PROBLEM TO BE SOLVED: To easily adjust a gamma curve according to the solid difference of printer, etc., or the request of user by providing an adjusting function for the gamma curve in the interior of error diffusion. SOLUTION: A random number table is prepared in S1, and input signals Ay, Am and Ac are respectively converted to much larger values Ay-new, Am-new and Ac-new in S2. Gamma transformation (the adjustment of gamma curve) is performed according to the solid difference or the request of user in S3 so that the calibration of equipment can be performed. Spatial frequency processing is performed in S4. The reference matrix of cyclic component th2 to be added to the input signals together with a random number component th1 is prepared in S5. A parameter Atotal to be used for deciding a color area, corresponding to an original color is calculated in S6. A target value for each color is compared with the fixed threshold in S8 and binarized into '0' (OFF) and '1' (ON) representing the presence/absence of dot punching for each color, and the discriminative number of colors of the target value is calculated in S9.



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